



2023 SEAMEO-Japan ESD Award

Theme: Promoting Environmental Education through Utilizing Renewable Energy

SUBMISSION FORM

The submission deadline is **15 August 2023**

Full Information: <https://link.seameo.org/2023SEAMEOJapanESDAward>

- To participate in the 2023 SEAMEO-Japan ESD Award, please submit the information of your school's programme on "Promoting Environmental Education through Utilizing Renewable Energy" by using this template of Submission Form on or before 15 August 2023.
- The **digital format of this Submission Form** can be downloaded from the SEAMEO website: <https://link.seameo.org/2023SEAMEOJapanESDAward> or request through email: seameojapan.award@seameo.org
- The **guidelines for submission** and the **judging criteria** are detailed in page 8-10 of this document.
- **How to Submit the Entry:** Please send the completed submission form for 2023 SEAMEO-Japan ESD Award and a link of 3-minute video clip together with supporting documents to the following Google form:



<https://link.seameo.org/2023SEAMEOJapanESDAward/submission>

- Important Note: to align with the ESD practices and to save the environment and energy, the Committee **WILL NOT** accept the entry in hard/printed copies.
- More information, please visit: <https://link.seameo.org/2023SEAMEOJapanESDAward> or contact the SEAMEO Secretariat's email: seameojapan.award@seameo.org or Tel. +66-2391-0144.

PART I: DETAILS OF YOUR SCHOOL

1. Name of your school Basic Education High School No.1 Dagon(B.E.H.S No.1 Dagon)
2. Full address No.(57) Alan Pya Pagoda Road, Dagon Township, Yangon Region, Myanmar
3. Postcode 11191
4. Country: Myanmar
5. School's telephone number (country code+city code+telephone number) +951 252 909

6. School's Email Address _____ sandarmyanyein@gmail.com _____
7. School website (if available) _____ https://dagon1.com/ _____
8. Approximate number of teachers participated in this programme _____ 30 _____
9. Approximate number of students participated in this programme _____ 500 _____

PART II: INFORMATION ABOUT THE SCHOOL'S programme

The information of part II from no.1 to 14 should not be over five (5) pages long of A4 in total. The information should be written in Times New Roman/Calibri font, font size 11.

1. Title of the school's programme

Foster An Eco-friendly Environment By Utilizing Waste As Renewable Energy

2. Summary of the programme (maximum of 300 words)

Myanmar's bountiful rice production brings prosperity, and affluence but it also presents an issue: the significant amount of rice husks that are discarded daily. These husks are often left to accumulate, taking up precious space and methane gas as they decompose. Meanwhile, the issue of daily kitchen waste persists, as it contributes to landfills and worsens the ecological strain. In response to that, " Foster an Eco-Friendly Environment by Utilizing Renewable Energy " programme started taking shape and was put into action in 2022 . Our programme recognizes the potential of waste as a renewable energy source where rice husks and biodegradable kitchen waste would no longer be cast aside and thrown away. Instead, these materials would be converted into eco-friendly solutions that benefit both the community and the environment for the better.

Led by a dedicated teacher, the program encourages the concepts of sustainability, renewable energy, and waste management.

The school programme's policy aims to foster the idea of reduced and managed waste and promotes renewable energy;

- Encouraging the utilization of renewable biofuels
- Advocating the concept of composting with kitchen waste
- Stimulating the implementation of programs on composting and renewable fuels
- Elevating the importance of an eco-friendly environment

Our programme demonstrates that innovation, educational and community collaborations are the keystones to a sustainable future. This programme aims to be a clean school with an eco-friendly environment, surrounded by green plants and trees. As a result, students will have a clear mindset that would benefit them in their studies and lessons. Due to this reason, as the program continues to thrive daily, we will pursue an eco-friendly world where people and students become accustomed to an eco-friendly world and they would always have a desire to be in a clean and eco-friendly world to continue keeping the positive vibe.

3. Objectives/goals of the school's programme

To enlighten students about renewable energy
To normalize fuel made out of rice husks
To recycle food waste into organic compost in our school
To sustain an eco-friendly environment in the future

4. Period of the time when the programme has been started

The programme has been operating since the 2022-2023 academic year.

5. Activities (strategies/activities of implementation, and brief information of each activity)

(A) STRATEGIES OF IMPLEMENTATION

- **To enlighten students about renewable energy**
 - Establishing clubs focused on renewable energy and sustainability where students can discuss ideas, plan projects, and organize events
 - Setting up eco-friendly energy demonstrations or experiments within the school
 - Train students and staff members to separate food scraps from non-compostable items like plastics and metals
 - Organize friendly competitions or challenges related to renewable energy such as designing energy-efficient buildings or solar-powered devices
 - Organize community events for schools in the community so students can have experiences working with other schools, build social standings, and gain more knowledge on the topic of renewable energy

- **To normalize fuel made out of rice husk**
 - As there is a rule for our canteen that states “No electricity equipment”, we had to look for an alternative fuel source, being rice husk fuel sticks.
 - Launch marketing campaigns across various media platforms to reach mainstream attention
 - Organize live demonstrations, or workshops showcasing how rice husks are transformed into fuel, emphasizing its efficiency and ease of use
 - Create informative pamphlets, brochures, and posters explaining the advantages of rice husk fuel, including reduced waste and lower carbon emissions
 - Engage local communities through seminars and workshops to discuss rice husk fuel's benefits and potential applications
 - Maintain an ongoing effort to raise awareness and address any misconceptions or concerns regarding rice husk fuel

- **To recycle food waste into organic compost in our school**
 - Create clear guidelines for what types of food waste can be composted
 - Emphasize the importance of avoiding contaminants like plastics and non-biodegradable materials
 - Educate students, teachers, staff, and parents about the importance of composting and its environmental benefits
 - Provide guidelines for what can and cannot be composted
 - Use nutrient-rich compost in the school garden or landscaping

- **To sustain an eco-friendly environment in the future**
 - Encourage students and parents to reduce food waste at the sources by buying only what they need, planning meals, and using leftovers creatively
 - Advocate for the use of bio-fuel such as rice husk fuel in the community
 - Partner with local renewable energy organizations and organic fertilizer organizations
 - Involve students in eco-friendly initiatives and encourage them to lead projects and educational activities related to food waste reduction and renewable energy

(B) ACTIVITIES OF IMPLEMENTATION

● **Utilizing rice husk fuel stick**

- Rice husk fuel stick is a biomass material made from a mixture of rice husk, kitchen ash, corn starch, and water. If ignited, it can generate massive heat. Our programme takes advantage of the stick's fuel capabilities at our school canteen. It reduces waste and puts them into good use.
- Our school programme domestically makes the fuel sticks as part of our campaign to donate to locals and advises them to raise awareness of such eco-friendly products. We explain how to make the fuel sticks and guide them to choose a more eco-friendly lifestyle. It's not enough to make a global change but in local communities, it makes all the difference. Performing such activities in each local community will help save our planet for future generations.

● **Bokashi Fertilizer**

- Organizations such as Bokashi Myanmar are aiming to reduce food waste by composting it and transforming it into biofertilizer. They educate the local community and foster more eco-friendly and chemical-free natural plants. Such organizations assisted numerous gardens and guided farmers to reduce chemical use in plants, vegetables and to provide humanity with all-natural plants, constructing a healthier and more eco-friendly environment.

6. Teaching and learning approaches/strategies that the school has integrated into the programme

Teaching: The teachings are referenced to The Environmental Education Curriculum (EEC). Visual aids such as pamphlets, models, posters, and handouts are used for the effective training of the teachers(TOT). Awareness is increased by using reasonable resources and people from the broader communities participate in our programme, including guest speakers, environmental experts, and scientists.

Learning: There are classroom explanations and presentations, and students are also motivated to take part in the demonstration and role-play individually or in groups. The teachers actively encourage students to ask questions during lectures and try to get answers by working together in class.

Training: The training is provided to teachers, parents, and canteen staff workers with the help of the Pollution Control and Cleaning Department, Yangon City Development Committee (YCDC). and Bokashi Myanmar.

7. Engagement with the community and sharing of school practices to the community

Our programme is not only in our school but extends to the community as well. Our student volunteers, teachers, and members of the programme often attend or organize local events, workshops, and seminars to share our knowledge and learn from others. We also offer presentations to local schools, clubs, and organizations to raise awareness and educate others about renewable energy. In addition, we work with other organizations such as Bokashi Myanmar (NGO), Myanmar Rice Federation, Pollution Control and Cleaning Department Yangon City Development (PCCD), etc. Our student volunteers write articles and press releases for local newspapers to raise awareness about renewable energy as well.

As much as we engage with the community, there are also many activities inside our school too. We often host workshops or informational sessions about renewable energy at the school, inviting parents and the student body to participate and learn. Additionally, we also dedicate a portion of the parent-teacher meetings to discuss the school's renewable energy programme and ways parents can support these initiatives. Moreover, we encourage students to create projects and presentations related to this title for them to understand the subject better.

8. Monitoring and evaluation mechanisms

School-level activities will be monitored and evaluated by the school environmental promotion committee and environmentalists for the endorsement of renewable energy by the Region Environmental Conservation Department, Yangon City Development Committee (YCDC), Bokashi Myanmar, Township School Green Energy Supervision Committee and Biomass Power Pellets. These organizations play a crucial role in ensuring the effectiveness and accountability of environmental conservation efforts and sustainable development initiatives. The improvement will be monitored through the participation of the students in the given projects and activities such as making poster boards, project presentations, role plays, and impromptu talks.

Inputs → Activities → Outputs → Outcomes → Impacts

Inputs: materials that are brought to make the projects

(Rice Husk Fuel Sticks: Rice Husks, Ash, Cornstarch, Cylinder Mold)

(Bokashi compost: food waste, bokashi bran, air-tight bucket, seeds, flower pot)

Activities: making poster boards, project presentations, role plays, impromptu talks,

Outputs: Renewable fuel sticks/ Composted Soil

Outcome: An Eco-friendly and Clean Environment

Impacts: Carry out the projects from our school to our community

9. Measurable achievement of the school's programme to students, teachers, parents, and wider community

Students

- Gained Knowledge
- Highlighted their innovative ideas in practical experiments
- Good habits of recycling food waste
- Acquire skills in critical thinking and problem solving
- Enhance their potential for future careers in the rapidly evolving eco-friendly energy sector

Teachers

- Can incorporate real-world examples and current events into their lessons
- Enhances teachers' professional growth and empowers them to contribute to a more sustainable future
- Can bring valuable insights and knowledge into their classrooms
- Can inspire and educate students about the importance of sustainable energy sources, environmental conservations, etc

Parents

- Can make informed choices for their family and contribute to a more sustainable lifestyle
- Gain an understanding of the importance of energy solutions like solar panels or energy-efficient appliance
- Enables them to educate their children about environmental responsibilities and instills values of sustainability
- Can engage in advocacy and community initiatives to promote renewable energy adoption, creating a positive impact on their children

Community

- Are better to handle the impacts of climate change, such as extreme weather events and disruptions to traditional systems

- Become aware of the importance of clean energy sources, leading to reduced air pollution, decreased greenhouse gas emissions, and healthier environment
- As more residents adopt renewable energy technologies, overall energy demand and cost can decrease- benefitting households and businesses
- Gain access to innovative technologies and educational opportunities, fostering a culture of learning and advancement

10. Plan for the future

In pursuit of a greener and more sustainable future, our programme envisions robust and innovative renewable energy solutions that will lead us toward a cleaner and more resilient energy landscape. Our plan is to transition to 100% renewable energy sources within the next few years. To achieve this vision, our multifaceted approach includes a comprehensive resource assessment to identify the most suitable renewable energy solutions such as Rice husk fuel sticks and Bokashi fertilizer.

Through strategic partnerships with local government agencies, educational institutions, and private enterprises, we aim to pool expertise and resources to drive the successful implementation of our programme. Above all, our future for the renewable energy programme is rooted in long-term sustainability.

11. Interrelationship of the school's programme with other Sustainable Development Goals (SDGs) (Please refer to page 2 in the Information Note or <https://sustainabledevelopment.un.org/sdgs>)

Goal 7: **Affordable and clean energy**

- Aims to reduce greenhouse gas emission
- Improves air quality and lower energy costs
- Aims to reduce dependence on fossil fuels
- Contributes to sustainable development

Goal 11: **Sustainable cities and communities**

- Aims to reduce the environmental impact of cities by improving the waste management systems.
- Planting seeds and trees in local homes to enhance air quality
- Our programme aims to promote green infrastructure such as green roofs, green buildings, permeable pavements, and rainwater harvesting systems to manage stormwater

Goal 13: **Climate Action**

- Focuses on taking urgent and effective measures to combat climate change and its impacts
- Shifting towards renewable energy sources has the potential to encourage economic expansion by fostering the growth of clean energy sectors and the emergence of environmentally friendly employment opportunities

12. Link(s) to the information of the school's programme in social media platforms such as Facebook, website, and youtube

<https://youtu.be/xYcuY-twR30>

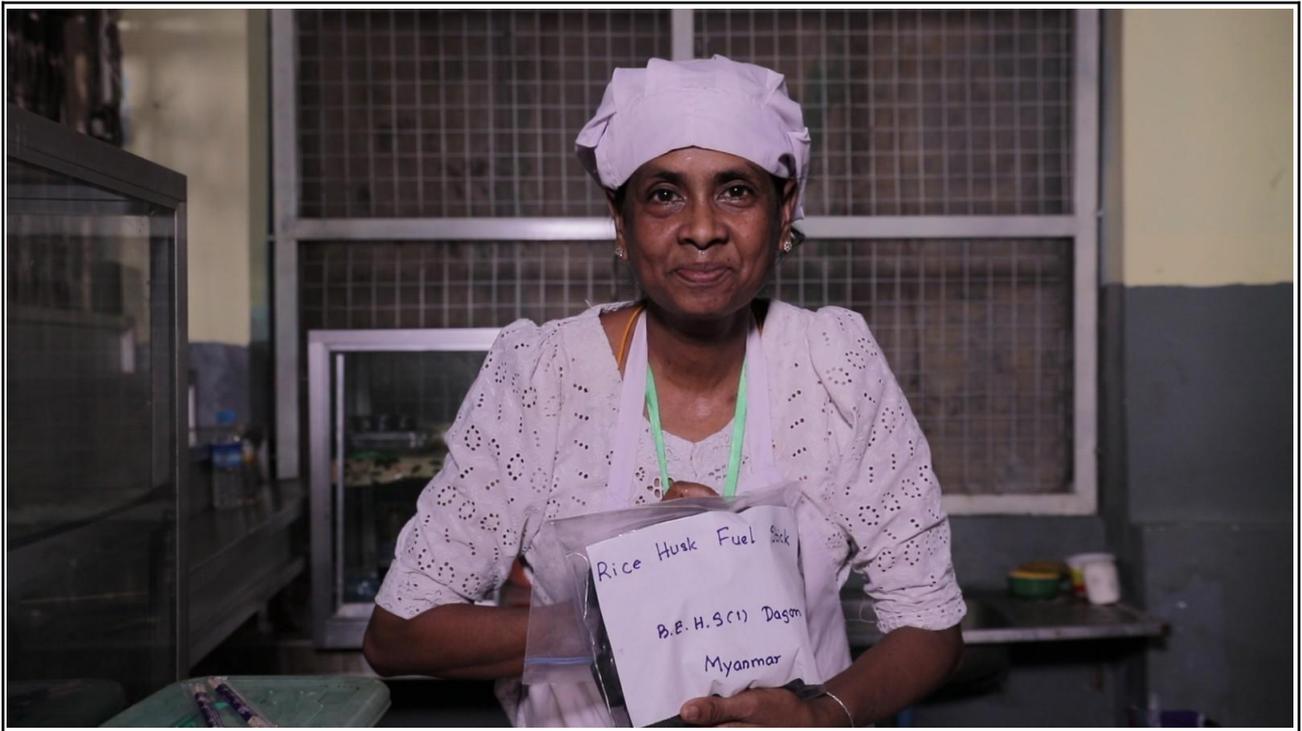
13. Photos related to the activity/programme (Maximum of five (5) photos with captions in English)



Gardening with Bokashi renewable compost at school



School collaboration with Bokashi Myanmar organization



Using Rice Husk Fuel at the school canteen



The ingredients of making Bokashi Soil



Ingredients of making “ Rice Husk Fuel Stick”

GUIDELINES FOR SUBMISSION OF ENTRIES

1. The sharp deadline of entry submissions is **15 August 2023**. Late submission is not accepted.
2. Each school can submit **only one (1) entry**.
3. The school’s entry that has been shortlisted or won the SEAMEO-Japan ESD Award within the past three (3) year (2020-2022) is not considered.
4. Schools must submit the following requirements to the SEAMEO Secretariat:
 - A. A completed **submission form of 2023 SEAMEO-Japan ESD Award** which have to be made in .docx or .pdf format, maximum file size is 10 MB. The submission form can be downloaded from the SEAMEO website: <https://link.seameo.org/2023SEAMEOJapanESDAward> or request through email: seameojapan.award@seameo.org
 - B. **A 3-minute video clip** presents the school’s programme in English. If it is produced in local language, please add subtitles so that the judging committee can understand it. Please upload your video to YouTube or other video-sharing sites and submit the video link through the google form as detailed in No.9
5. The information about the school’s programme (in Part II as follows) **should not be over five (5) pages of A4 in total**. The information should be written in **Times New Roman/Calibri font, font size 11**.
 - A. Part I - Information about the school;
 - 1) School’s name and contact details
 - 2) Brief information about the school such as number of teachers and students and educational level
 - 3) Contact details of the coordinator
 - B. Part II - Information about the school’s programme;